For office use:

47684 (Tracking No.) | BP 15150-A (Minor Change to Permit No.)

MAINE LAND USE PLANNING COMMISSION
Department of Agriculture, Conservation, and Forestry

Minor Change Request

for revisions to previously issued permits

1. APPLICANT INFORMATION

Name(s)	Daytime Phone	FAX *(if applicable)*
Gregory Cataldo	207-534-0166	
Mailing Address	**E-mail *(if applicable)***	
P.O. Box 94 Rockwood ME 04478	(e-mail. maine2soof@gmail.com	

2. PREVIOUSLY ISSUED PERMIT INFORMATION

Permit Number:	Date Issued:
BP-15150	5-7-14

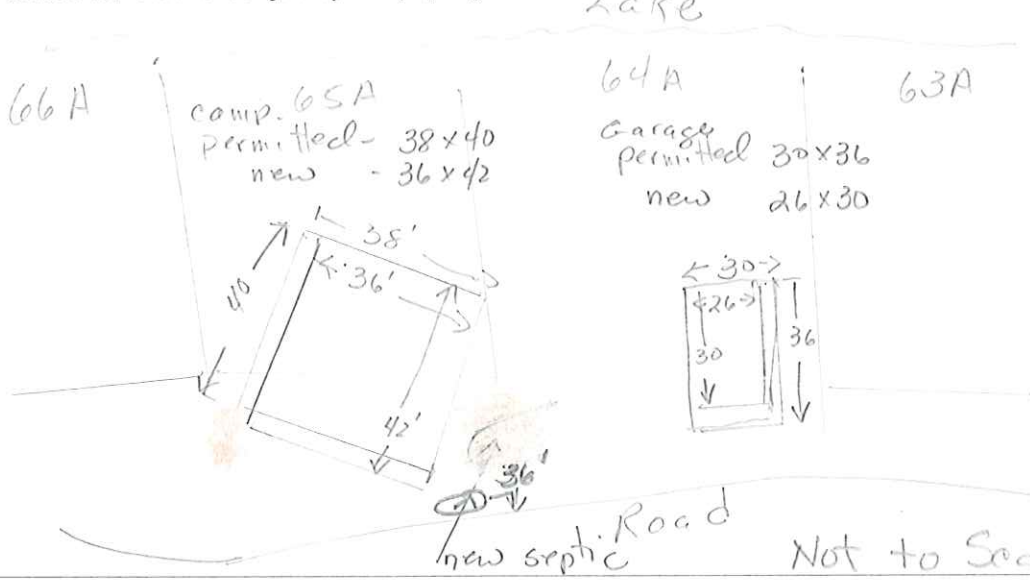
3. PROJECT LOCATION AND PROPERTY DETAILS

Township, Town or Plantation:	County:
Tomhegan Townslip	Somerset
Tax Plan and Lot Numbers *(check tax bill)*:	**Book/Page or Lease Numbers *(check deed or lease)*:**
T1R2NBKP plan: 50037P02 lots 64A-66A	Book 1916 Pg 174 Lease # - N/A

4. PROPOSED CHANGES

- ☐ **Transfer of ownership.** Submit a new deed, lease or sales contract. Provide the name of the previous permit holder: _____
- ☐ **Typographical errors or other errors of transcription.** Describe the errors and proposed corrections, below.
- ☐ **Changing the phrasing of the Commission's written decision.** Describe the phrasing of concern and the proposed corrections, below.
- ☑ **Corrections of dimensions or minor variations, expansions or changes affecting less than 10% of an approved structure or project.** Submit a site plan.

Describe in detail the Minor Change that you are proposing.



note A new septic location. 36' from travel surface.

B.) camp will adhere to privous setback

c) Garage will adhere to previous set back

d) some large Fir trees, will be remove to prevent falling on camp & garage; All but one tree, is over 100' from lake

5. CERTIFICATION AND APPLICANT SIGNATURES (all persons listed on the deed, lease or sales contract must sign below)

I have personally examined the information submitted in this request, including the accompanying attachments, and to the best of my knowledge and belief, this request is true and accurate I certify that the above described request will be completed in accordance with the Commission's permit conditions and applicable standards. I understand that activities carried out in violation of any conditions or standards are subject to enforcement action.

Greg Cataldo — Applicant Signatures

7/29/14 — Date

COMMISSION ACKNOWLEDGMENT (for office use)

Based upon the information supplied by the applicant in this form and the attachments, staff finds that this request qualifies as a minor change to a permit previously authorized by the Commission. All conditions of previously issued Commission permits shall remain in effect.

Ted Light — LUPC Authorized Signature

8-11-14 — Effective Date

Maine Dept Health & Human Services
Div of Environmental Health, 11 SHS
(207) 287-5672 Fax: (207) 287-4172

PROPERTY LOCATION

City, Town, or Plantation: TOMHEGAN TWP.
Street or Road: SPUR ROAD
Subdivision, Lot #: MOOSEHEAD LAKE

OWNER/APPLICANT INFORMATION

Name (last, first, MI): CATALDO GREG.G. ■ Owner ■ Applicant
Mailing Address of Owner/Applicant: P.O. Box 94 ROCKWOOD, ME 04478
Daytime Tel. #: (207)

OWNER OR APPLICANT STATEMENT
I state and acknowledge that the information submitted is correct to the best of my knowledge and understand that any falsification is reason for the Department and/or Local Plumbing Inspector to deny a Permit.

Signature of Owner or Applicant — Date

>> CAUTION: LPI APPROVAL REQUIRED <<

Town/City _____ Permit # _____
Date Permit Issued __/__/__ Fee: $_____ Double Fee Charged [ ]
_____ L.P.I. # _____
Local Plumbing Inspector Signature

The Subsurface Wastewater Disposal System shall not be installed until a Permit is issued by the Local Plumbing Inspector. The Permit shall authorize the owner or installer to install the disposal system in accordance with this application and the Maine Subsurface Wastewater Disposal Rules.

Municipal Tax Map # _____ Lot # _____

CAUTION: INSPECTION REQUIRED
I have inspected the installation authorized above and found it to be in compliance with the Subsurface Wastewater Disposal Rules Application. _____ (1st) date approved

Local Plumbing Inspector Signature — (2nd) date approved

PERMIT INFORMATION

TYPE OF APPLICATION
1. First Time System
■ 2. Replacement System
Type replaced: UNKNOWN
Year installed: "
3. Expanded System
a. ≤25% Expansion
b. >25% Expansion
4. Experimental System
5. Seasonal Conversion

THIS APPLICATION REQUIRES
■ 1. No Rule Variance
2. First Time System Variance
a. Local Plumbing Inspector Approval
b. State & Local Plumbing Inspector Approval
3. Replacement System Variance
a. Local Plumbing Inspector Approval
b. State & Local Plumbing Inspector Approval
4. Minimum Lot Size Variance
5. Seasonal Conversion Permit

DISPOSAL SYSTEM COMPONENTS
■ 1. Complete Non-engineered System
2. Primitive System (graywater & alt. toilet)
3. Alternative Toilet, specify: _____
4. Non-engineered Treatment Tank (only)
5. Holding Tank, _____ gallons
6. Non-engineered Disposal Field (only)
7. Separated Laundry System
8. Complete Engineered System (2000 gpd or more)
9. Engineered Treatment Tank (only)
10. Engineered Disposal Field (only)
11. Pre-treatment, specify: _____
12. Miscellaneous Components

SIZE OF PROPERTY
20,000 +/- ■ SQ. FT. ACRES

SHORELAND ZONING
■ Yes No

DISPOSAL SYSTEM TO SERVE
■ 1. Single Family Dwelling Unit, No. of Bedrooms: 2
2. Multiple Family Dwelling, No. of Units: _____
3. Other: _____ (specify)
Current Use ■ Seasonal Year Round Undeveloped

TYPE OF WATER SUPPLY
PROPOSED
■ 1. Drilled Well 2. Dug Well 3. Private
4. Public 5. Other

DESIGN DETAILS (SYSTEM LAYOUT SHOWN ON PAGE 3)

TREATMENT TANK
■ 1. Concrete
■ a. Regular
b. Low Profile
2. Plastic
3. Other:
CAPACITY: 2000 GAL.

DISPOSAL FIELD TYPE & SIZE
1. Stone Bed 2. Stone Trench
■ 3. Proprietary Device (HIGH CAPACITY)
a. cluster array ■ c. Linear
■ b. regular load d. H-20 load
4. Other:
SIZE: 600 ■ sq. ft. lin. ft.

GARBAGE DISPOSAL UNIT
■ 1. No 2. Yes 3. Maybe
If Yes or Maybe, specify one below:
a. multi-compartment tank
b. ___ tanks in series
c. increase in tank capacity
d. Filter on Tank Outlet

DESIGN FLOW
180 gallons per day
BASED ON:
■ 1. Table 4A (dwelling unit(s))
2. Table 4C (other facilities)
SHOW CALCULATIONS for other facilities
3. Section 4G (meter readings)
ATTACH WATER METER DATA

SOIL DATA & DESIGN CLASS
PROFILE CONDITION
3 1C
at Observation Hole # TP1
Depth 21"
of Most Limiting Soil Factor

DISPOSAL FIELD SIZING
1. Medium—2.6 sq. ft. / gpd
■ 2. Medium—Large 3.3 sq. ft. / gpd
3. Large—4.1 sq. ft. / gpd
4. Extra Large—5.0 sq. ft. / gpd

EFFLUENT/EJECTOR PUMP
1. Not Required
■ 2. May Be Required (DEPENDS ON TANK ELEV.)
3. Required
Specify only for engineered systems:
DOSE: _____ gallons

LATITUDE AND LONGITUDE
at center of disposal area
Lat. 45 d 47 m 44 W
Lon. 69 d 48 m 48 W,
If g.p.s, state margin of error: 30

SITE EVALUATOR STATEMENT

I certify that on 7/18/14 (date) I completed a site evaluation on this property and state that the data reported are accurate and that the proposed system is in compliance with the State of Maine Subsurface Wastewater Disposal Rules (10-144A CMR 241).

Site Evaluator Signature — SE # 213 — Date 7/28/14
STEPHEN H. HOWELL — (207) 825-4782
Site Evaluator Name Printed — Telephone Number — E-mail Address

Note: Changes to or deviations from the design should be confirmed with the Site Evaluator.

SUBSURFACE WASTEWATER DISPOSAL SYSTEM APPLICATION

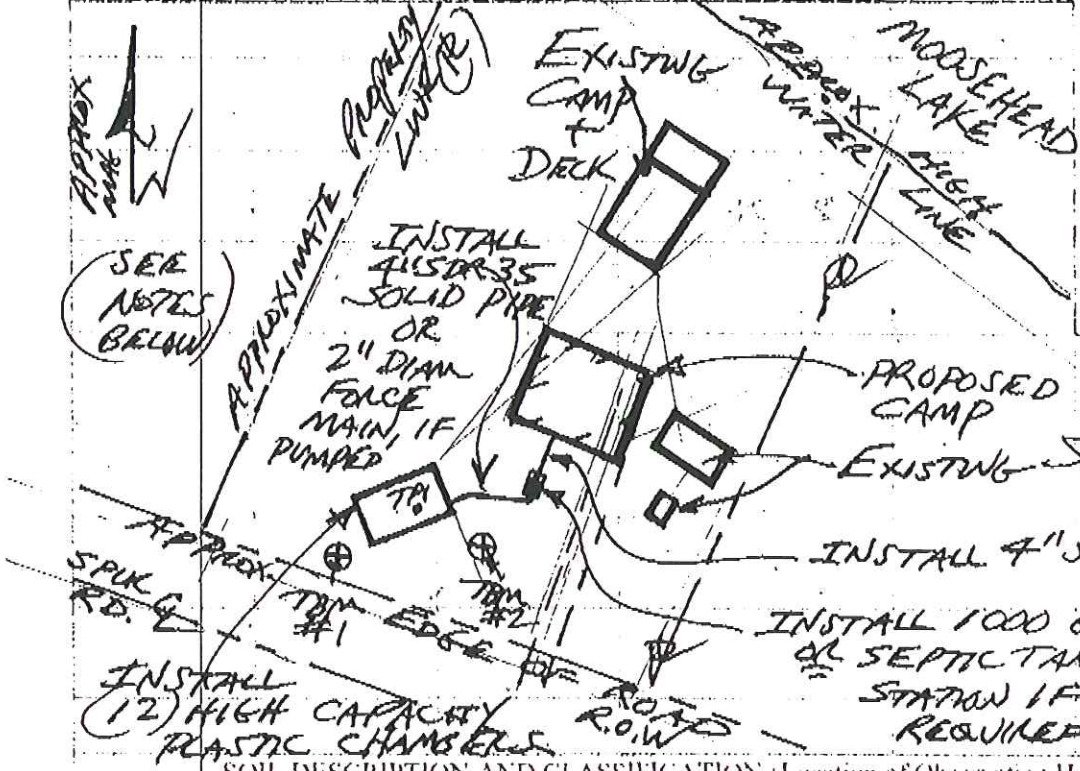
Department of Health & Human Services
Division of Environmental Health
(207) 287-5672 Fax. (207) 287-3165

Town, City, Plantation: TOMHEGAN TWP.

Street, Road, Subdivision: SPUR ROAD + MOOSEHEAD LAKE

Owner's Name: GREGORY G. CATALDO

SITE PLAN Scale 1" = 50 ft. or as shown



SITE LOCATION PLAN

SOIL DESCRIPTION AND CLASSIFICATION (Location of Observation Holes Shown Above)

Observation Hole TP1 ☒ Test Pit ☐ Boring
3" Depth of Organic Horizon Above Mineral Soil

Depth Below Mineral Soil Surface (inches)	Texture	Consistency	Color	Mottling
0	STONY FINE SANDY LOAM	FRIABLE	LIGHT GRAY	
10			STRONG BROWN	NONE
20			YELLOWISH BROWN	
30			YELLOWISH BROWN	
40	STONY LOAM	FIRM	OLIVE BROWN	COMMON DISTINCT
50				

LIMIT OF OBSERV. = 30"

Soil Profile	Soil Condition	Slope	Limiting Factor	Estimated Water Restrictive Layer Redoximorphic Pit Depth
3	C	1-5	21"	

Observation Hole ☐ Test Pit ☐ Boring
" Depth of Organic Horizon Above Mineral Soil

Depth Below Mineral Soil Surface (inches)	Texture	Consistency	Color	Mottling
0	NOTES:			
10	1. REVIEW + COMPLY WITH ATTACHED SEPTIC SYSTEM USER + CONSTRUCTION NOTES.			
20	2. DIVERT RUNOFF AWAY FROM CHAMBERS			
30	3. INSTALL SILT FENCE PRIOR TO CONSTRUCTION BETWEEN LAKE + PROPOSED CONSTRUCTION AREA.			
40	4. PROPERLY PROTECT PIPES FROM FREEZING + CRUSHING.			
50				

Soil Classification	Slope	Limiting Factor	Estimated Water Restrictive Layer Redoximorphic Pit Depth
Profile	Condition		

#213 7/28/14

Site Evaluator Signature SE # Date

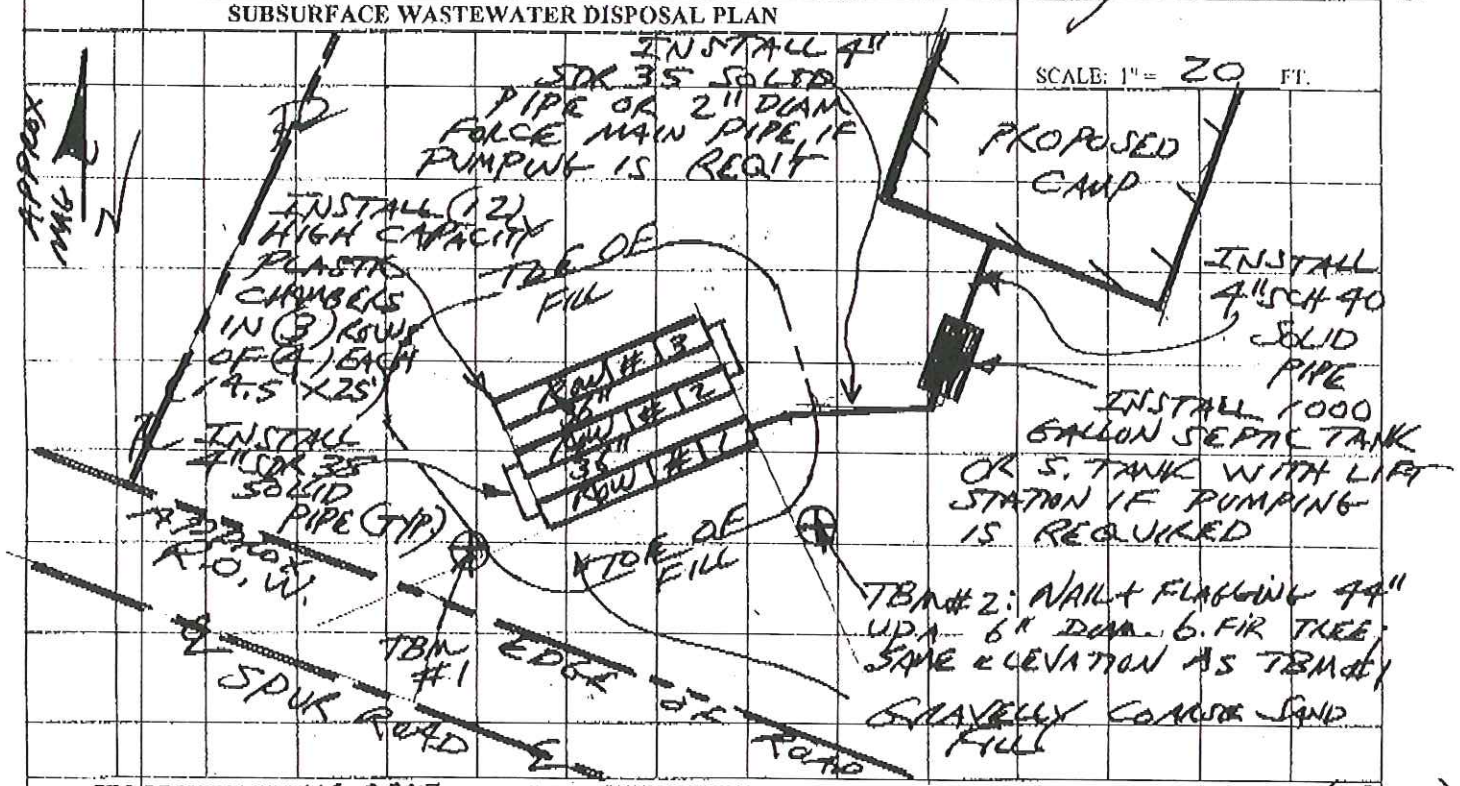
SUBSURFACE WASTEWATER DISPOSAL SYSTEM APPLICATION

Department of Health & Human Services
Division of Environmental Health
(207) 287-5672 Fax: (207) 287-3165

Town, City, Plantation	Street, Road Subdivision	Owner's Name
TOMHEGAN TWP	SPUR ROAD + MOOSEHEAD LAKE	GREGORY G. CATALDO

SUBSURFACE WASTEWATER DISPOSAL PLAN

SCALE: 1" = 20 FT.



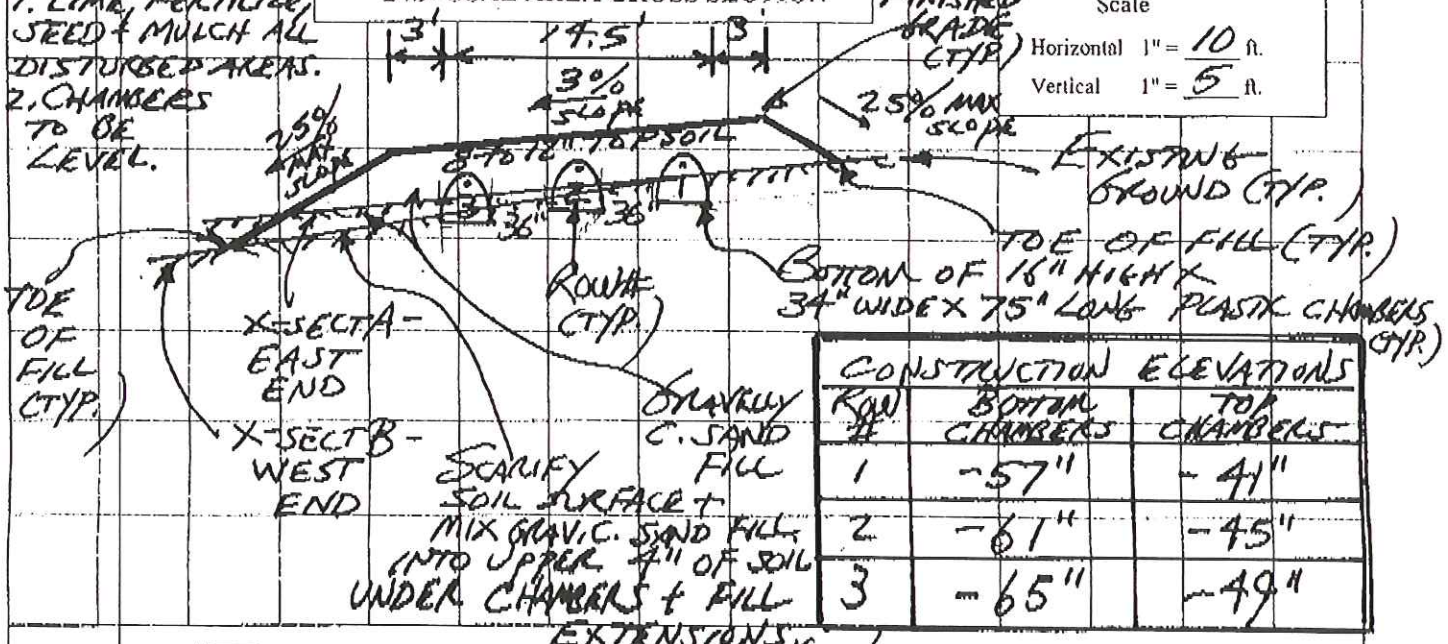
FILL REQUIREMENTS	X-SECT A	X-SECT B	CONSTRUCTION ELEVATIONS
Depth of Fill (Upslope)	19"	19	Finished Grade Elevation
			Top of Distribution Pipe or Proprietary Device
Depth of Fill (Downslope)	19"	25"	Bottom of Disposal Area

(SEE X-SECT)

ELEVATION REFERENCE POINT (TBM #1)
Location & Description: NAIL + FLAGGING 44" UP A 10" DIAM. MAPLE TREE
Reference Elevation: = 0"

DISPOSAL AREA CROSS SECTION

NOTES:
1. LIME, FERTILIZE, SEED + MULCH ALL DISTURBED AREAS.
2. CHAMBERS TO BE LEVEL.



Scale
Horizontal 1" = 10 ft.
Vertical 1" = 5 ft.

CONSTRUCTION ELEVATIONS		
Row #	Bottom Chambers	Top Chambers
1	-57"	-41"
2	-61"	-45"
3	-65"	-49"

#213 — Site Evaluator Signature — SE #

7/28/14 — Date

2. Bottom of disposal field: The bottom of each disposal field must be installed at the elevation specified on the permit. It must be maintained to a level grade no greater than 2 inches within 100 feet. Note: The bottom of a disposal field serves as the final stage of the distribution network.

3. Avoid unnecessary compaction: Excavation must be carried out in a manner that will avoid unnecessary compaction of both sidewalls and bottom area. Heavy equipment, especially rubber-tired vehicles such as front-end loaders, should not be driven over the exposed bottom of the disposal field. Excavation should be carried out when possible, by a back-hoe operating from outside the perimeter of the previously excavated portions of the disposal fields.

4. Reopen smeared or compacted bottom or sidewall surfaces: If any portion of the bottom or sidewalls becomes smeared or compacted, that portion must be scarified to reopen soil pores. Roto-tilling may be necessary to reach the limit of compacted soil depth.

5. Weather conditions: Work should be scheduled so that excavated areas are not exposed to rainfall or wind-blown silt. Any loose soil or debris that is washed or otherwise deposited within the excavation must be carefully removed prior to backfilling. Additionally, disposal fields should not be installed in frozen ground or when the ambient air temperature is below freezing, especially if construction will take place over several days.

D. CONSTRUCTION

1. Construction: The installer of the system must make certain that the system and all its component parts are installed in conformance with the requirements of these Rules, the plan prepared by the site evaluator, and with any special engineering design requirements approved or required by the Department, pursuant to an approved variance.

2. Soil and backfill material: The installer of the system must make certain that the construction and installation are performed without adversely affecting the capacity of the soil or backfill material to adequately absorb or treat the septic tank effluent.

E. BACKFILL PLACEMENT FOR DISPOSAL AREAS INCLUDING FILL EXTENSIONS

1. General: Selection and placement of backfill must comply with the requirements of this Section.

2. Backfill standards: The backfill material must be gravelly coarse sand which meets the requirements of Table 11A or 11(E)(2)(a) below, as approved by the Department or LPI:

TABLE 11A
Backfill Textural Gradation

Sieve Size	Percent Passing by Weight
3 inches	100
#4	75-100
#10	50-100
#60	10-50
#100	2-20
#200	2-8
Clay Fraction	0-2

(a) Field determination of backfill: Due to the difficulty of obtaining sieve analyses and the variability of backfill material, the following procedures can be used in the field to determine the suitability of backfill material. The backfill is suitable if the soil texture is loose single grains, the individual sand grains can be readily seen (similar to salt or sugar grains) and felt, and the following conditions are observed: If squeezed in the hand when dry, it will fall apart when the pressure is released but has enough fines to stain the lines in the palm of the hand; or, if squeezed when moist, it will form a cast that will crumble when

Construction Notes

1. Chambers to be a minimum of 100 feet from all wells, 300 feet from public water supplies, 10 feet from water supply lines, 50 feet from all minor watercourses, 100 feet from all major watercourses, 25 feet from drainage ditches, 10 feet side gradient from the edge of any curtain drains, 15 feet up gradient from the edge of any curtain drains, 10 feet from property lines, 15 feet from buildings without a full foundation and 20 feet from buildings with a full foundation.

2. Septic tanks to be a minimum of 100 feet from all wells, 150 feet from public water supplies, 10 feet from water supply lines, 50 feet from all minor watercourses, 100 feet from all major watercourses, 25 feet from drainage ditches, 10 feet from property lines, and 8 feet from buildings.

3. Divert all roof runoff and surface runoff away from leachfield.

4. Properly protect all pipes, chambers, and tanks from freezing and/or crushing.

5. Review and comply with attached Septic System User Notes.

6. Clean and service septic tank filter as per manufacturer recommendations.

SEPTIC SYSTEM USER NOTES

1. This septic system has been designed to meet requirements of the State of Maine Subsurface Wastewater Disposal Rules, 10-144A CMR 241. Because site evaluators are not notified when local ordinances are enacted which exceed state requirements, it is the septic system owners responsibility to ensure that this septic system design (HHE-200 form) is in compliance with applicable local ordinances. This can be done by contacting your local plumbing inspector and asking about local ordinances which differ from those required in the Rules.

2. It is the septic system owner's responsibility to obtain any local, state, or federal permit(s) that may be required for the installation of this septic system (work within or adjacent to a wetland may require a state and/or federal permit). Contact the Maine Department of Environmental Protection at 287-2111 and the Army Corps of Engineers at 623-8367 if you have any questions.

3. The use of a garbage grinder on a septic system is not recommended. Depending on use patterns, they can contribute a significant amount of particulate matter and grease to the system. Excessive use may result in premature failure. If a garbage grinder is to be used, additional septic tank capacity, a multi compartment septic tank is required, and/or more frequent septic tank pumping is recommended.

4. For new construction, it is recommended that the septic system owner install low volume toilets (1 1/2 gallons per flush or less) and other flow reducing fixtures such as low volume shower heads and faucets to minimize water consumption. A reduction in water usage will generally result in extended life of your septic system.

5. It is the septic system owner's responsibility to limit water consumption and wastewater generation so that the septic system design capacity (design flow on the HHE-200 form) is not exceeded on any day. Activities which generate large amounts of wastewater should be spread out over several days where possible. Excessive use of a septic system on any day can cause the system to fail even though your use, averaged over a week or month, is below design volume.

6. Do not connect floor or roof drains to a septic system. Your septic system is not designed to handle this water and it will likely cause premature failure.

7. Do not dispose of backwash from water softeners or water treatment devices in your septic system. Large amounts of water can be generated from these devices which can overload a septic system.

8. Do not dispose of any hazardous or toxic substances in a septic system such as paint thinner, paints, varnishes, photographic solutions, pesticides, insecticides, organic solvents or degreasers and drain openers. Septic systems depend on living organisms to function properly. Toxic or hazardous material can, in effect, "kill" the system and are a threat to pollution of surface or groundwater resources. Instead of using a commercial degreaser or drain opener, which an be toxic, use one of the following:

   A. A plunger or mechanical snake; or
   B. Pour one handful of baking soda and 1/2 cup of white vinegar down the drainpipe and cover tightly for one minute. Repeat as necessary; or

trap has been designed for that purpose. Generally, an internal grease trap is inadequate to handle excessive amounts of grease or fat.

11. Do not add any septic tank cleaner or additive to your septic system to improve its function or prolong its useful operating life (this includes yeast, horse manure or commercial products). No effective product or material is recognized by State authorities and, in fact, some of these products can actually cause your septic system to fail.

12. Maintain your septic system by regularly having the septic tank pumped. Some biological breakdown of solids and grease occurs in septic tanks but the rate of accumulation virtually always exceeds the rate of biologic breakdown. If your septic tank is not pumped out often enough, solids and greases may buildup to the point where they enter your disposal area. Once this material reaches the disposal area it will clog the soil surface and likely cause premature failure.

I recommend having your septic tank pumped or inspected after one year of use. The pumper can advise you of how often you need to have the septic tank pumped based on what he finds at this inspection (typically a septic tank will need to be pumped every two to five years). Keep in mind that you will need to adjust pumping frequency to coincide with changes in the way you use your system. The more your septic system is used, the more frequently that the septic tank should be pumped.

13. Do not drive over or store heavy materials on any part of your septic system unless it is specifically designed to handle heavy loads. Otherwise, crushed components may be the result and the system may fail.

14. Divert all surface water away from the septic tank and disposal area. Roof areas which contribute runoff water to the septic system site should have gutters installed to divert that water to another location.

15. PLEASE - If you have any questions about your septic system or how to use it, call me (825-4528) and ask for advice. You can also call the State Agency responsible for regulating septic systems, the plumbing program in the Division of Health Engineering, at 287-5672.